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Approved For Release 2003/08/05 : CIA-RDP78B05171A000300010020-4

TSSG/RED/ATB-102-70
29 April 1970

Declass Review by
NIMA/DOD

MEMORANDUM FOR: Chief, Systems Research Branch, RED

ATTENTION :

SUBJECT : Proposal Evaluation for Designed Concept Study for a
Color Control Cell

REFERENCE : Memo TSSG/RED/ATB-099-70, 29 April 1970

1. In response to your request, the Advanced Technology Branch has evaluated proposal 6930-19 from [redacted] Due to the time constraints, only [redacted] were able to read and comment on the proposal. Some detailed comments were as follows:

a. Page 9, paragraph 2 - extrapolation of test results to the general population (PI or otherwise) is always a problem. [redacted] is stating the obvious.

b. Page 17 paragraph II B2 - Is it necessary to simulate the complete environmental situation at this time? We think not.

c. Page 17 paragraph III A, B, C and paragraph IV - same comment.

d. Page 18 paragraph II - Independent control of the testing and spectral properties is a good point.

e. Page 19 last paragraph - This sounds like a TICOF again. Is it necessary?

f. Page 20 paragraph 1 - This is overkill! Data should stay with lighting research and leave other characteristics of the ambient light for someone else to work.

g. Page 21 paragraph 1 - Regarding color versus black and white - this is an excellent philosophical approach.

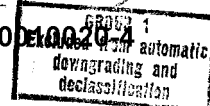
h. Page 21 paragraph 2 - Where is the effect of target characteristics and atmospheric/variables as in "Insite" and "kaleidoscope"? The exclusion of this effect may be the weakest link in the entire proposal.

This system relates to Instrument to come to CCC.

Not called out in D.O. - sent to all concerned, up to us to integrate "image color" and "object (true) color."

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ILLEGIB

1. Page 22 paragraph 1 - This is a good point. Much work is needed regarding mensuration accuracy and color photography.

j. Page 22 paragraph 2 - This is an excellent point. This should tie into the [] narrow-band light table work now under way.

k. Page 24-26 - Regarding chromatic aberration - this is good thinking on the part of [] and they have obviously done their homework. It should be noted however, that pages 22 through 26 seem to overlap [] work on literature review under the color training program. However, [] will do little or no research in this area.

l. Page 28 - Summary section A - This is an excellent, well planned, systematic approach to a very difficult area. At the same time, we worry about whether or not [] has the technical expertise to support their proposed research in Human Factors especially in physiologic optics and color perception.

m. Page 32, paragraph c 1 and page 34 conflict with our work with [] *only responding to DC requirements.*

2. In summary we feel that [] has a well documented proposal, though perhaps overly so, which goes well beyond our development objectives. It suffers mainly in terms of not comprehending the "Insight and Kaleidoscope" concepts. We also are concerned as to whether [] has an expertise to accomplish all that they propose to do. We note that in their personnel summaries there is no provision for anyone with Human Factors or psychophysical expertise applied to this task. Also a total of 2,440 man hours which they propose seems a drop in the bucket compared to the overall magnitude of the task laid out in their proposal. I think that overall capability to perform should be the prime criterion we use in deciding between [] proposals for the color control cell.

[]
Chief, Advanced Technology Branch,
RED/TSSG

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29 April 1970

MEMORANDUM FOR: Chief, Systems Research Branch, RED

ATTENTION : [REDACTED]

SUBJECT : Proposal Evaluation for Designed Concept Study for a Color Control Cell [REDACTED]

REFERENCE : Memo TSSG/RED/ATB-099-70, 29 April 1970

1. In response to your request, the Advanced Technology Branch has evaluated proposal 6930-19 from [REDACTED]. Due to the time constraints, only [REDACTED] were able to read and comment on the proposal. Some detailed comments were as follows:

- a. Page 9, paragraph 2 - extrapolation of test results to the general population (PI or otherwise) is always a problem. [REDACTED] is stating the obvious.
- b. Page 17 paragraph II B2 - Is it necessary to simulate the complete environmental situation at this time? We think not. AGREE
- c. Page 17 paragraph III A, B, C and paragraph IV - same comment. AGREE, except IV B.
- d. Page 18 paragraph II - Independent control of the testing and spectral properties is a good point.
- e. Page 19 last paragraph - This sounds like a TICOF again. Is it necessary? NO
- f. Page 20 paragraph 1 - This is overkill! [REDACTED] should stay with lighting research and leave other characteristics of the ambient light for someone else to work. OK
- g. Page 21 paragraph 1 - Regarding color versus black and white - this is an excellent philosophical approach.

- h. Page 21 paragraph 2 - Where is the effect of target characteristics and atmospheric/variables as in "insite" and "kaleidoscope"? The exclusion of this effect may be the weakest link in the entire proposal. Not called out in D.O. - sent to all contractors, up to us to integrate "image color" and "object (true) color".

This action relates to Instrument Reconn. for CCC.

GROUP 1
Excluded from automatic
downgrading and
declassification

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1. Page 22 paragraph 1 - This is a good point. Much work is needed regarding mensuration accuracy and color photography.

However, overlaps Pre. Mens. Study

j. Page 22 paragraph 2 - This is an excellent point. This should tie into the [] narrow-band light table work now under way.

In D.O.

k. Page 24-26 - Regarding chromatic aberration - this is good thinking on the part of [] and they have obviously done their homework. It should be noted however, that pages 22 through 26 seem to overlap [] work on literature review under the color training program. However, [] will do little or no research in this area.

This section in support of "Eqmnt. Recomm. for CCC"

l. Page 28 - Summary section A - This is an excellent, well planned, systematic approach to a very difficult area. At the same time, we worry about whether or not [] has the technical expertise to support their proposed research in Human Factors especially in physiologic optics and color perception.

m. Page 32, paragraph c 1 and page 34 conflict with our work with [] *only responding to D.O. requirements*

2. In summary we feel that [] has a well documented proposal, though perhaps overly so, which goes well beyond our development objectives. It suffers mainly in terms of not comprehending the "Insight and Kaleidoscope" concepts. We also are concerned as to whether [] has an expertise to accomplish all that they propose to do. We note that in their personnel summaries there is no provision for anyone with Human Factors or psychophysical expertise applied to this task. Also a total of 2,440 man hours which they propose seems a drop in the bucket compared to the overall magnitude of the task laid out in their proposal. I think that overall capability to perform should be the prime criterion we use in deciding between [] and the [] proposals for the color control cell.

WES - Personnel not specified - would have to check. Also look at EK

[]
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RED/TSSG

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